	Application No.	Applicant(s)
Notice of Allowability	10/736,229	MATSUYAMA, SHIGERU
	Examiner	Art Unit
	Kimnhung Nguyen	2629
The MAILING DATE of this communication apperation apperation allowable, PROSECUTION ON THE MERITS IS therewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	ars on the cover sheet with the (OR REMAINS) CLOSED in this or other appropriate communication is subjection is subjection.	he correspondence addresss application. If not included ation will be mailed in due course. THIS
2. The allowed claim(s) is/are <u>1-20</u> .		
 Acknowledgment is made of a claim for foreign priority un a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received:	been received. been received in Application N	o
· ——		
Applicant has THREE MONTHS FROM THE "MAILING DATE" of noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		eply complying with the requirements
4. A SUBSTITUTE OATH OR DECLARATION must be submi INFORMAL PATENT APPLICATION (PTO-152) which give		
5. CORRECTED DRAWINGS (as "replacement sheets") mus	t be submitted.	
(a) ☐ including changes required by the Notice of Draftsperso		TO-948) attached
1) ☐ hereto or 2) ☐ to Paper No./Mail Date		
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date	Amendment / Comment or in t	he Office action of
Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the	84(c)) should be written on the di ne header according to 37 CFR 1.	rawings in the front (not the back) of 121(d).
DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT F	sit of BIOLOGICAL MATERIA FOR THE DEPOSIT OF BIOLO	AL must be submitted. Note the GICAL MATERIAL.
Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)	6. Interview Summ	
 Information Disclosure Statements (PTO-1449 or PTO/SB/08 Paper No./Mail Date 12/15/03, 7/11/05 Examiner's Comment Regarding Requirement for Deposit of Biological Material 	8. ⊠ Examiner's Stat	endment/Comment/

U.S. Patent and Trademark Office PTOL-37 (Rev. 7-05) Application/Control Number: 10/736,229 Page 2

Art Unit: 2629

DETAILED ACTION

1. This application has been examined. The claims 1-20 are allowed.

Reasons For Allowance

2. The following is an examiner's statement of reasons for allowance: The present invention is directed to a driver for driving a liquid crystal display comprising; an input terminal that inputs input data; an output terminal that outputs output data; a bi-directional common driver equipped with a first input/output terminal and a second input/output terminal, an input/output relationship of the first input/output terminal and the second input/output terminal being reversed in accordance with a shift direction controlled by a control signal. The combination of the closest prior art of Nakamura et al. (US 6,747,641), Nakajima et al. (US 6,791,539) and Udo et al. (US 6,304,241) show a similar invention, however, they fail to teach means for switching that is disposed between the input terminal and the first and second input/output terminals of the bidirectional common driver and that selectively inputs the input data from the input terminal to one of the first input/output terminal and the second input/output terminal; and means for switching that is disposed between the output terminal and the first and second input/output terminals of the bi-directional common driver and that selectively leads and outputs the output data to the output terminal, the output data being output from one of the first and the second input/output terminals and the input data being input to the other of the first and the second input/output terminals by the means for switching as claim 1; or providing an input switching unit that selectively inputs the input data from the input terminal to one of the first input/output terminal and the second input/output terminal; and providing an output selecting unit that

Ť

Art Unit: 2629

selectively leads the output data to the output terminal, the output data being output from one of the first and the second input/output terminals and the input data being input to the other of the first and the second input/output terminals by the input switching unit as claim 3; or an input switching unit that is disposed between the input terminal and the first and the second input/output terminals of the bi-directional common driver and that selectively inputs the input data from the input terminal to one of the first input/output terminal and the second input/output terminal; and an output selecting unit that is disposed between the output terminal and the first and the second input/output terminals of the bi-directional common driver and that selectively leads and outputs the output data to the output terminal, the output data being output from one of the first and the second input/output terminals and the input data being input to the other of the first and the second input/output terminals by the input switching unit as claim 9.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Correspondence

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kimnhung Nguyen whose telephone number is (571) 272-7698. The examiner can normally be reached on MON-FRI, FROM 8:30 AM-5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richard Hjerpe can be reached on (571) 272-7691. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Kimnhung Nguyen August 30, 2006

> RICHARD HJERPE SUPERVISORY PATENT EXAMINER TECHNOLOGY CENTER 2600